

ABSTRACT

Disclosed is an optical beam steering system having a plurality of optical apertures arranged in a circle. Each of the optical apertures corresponds to a unique angular sector of the circle and includes a blazed fiber Bragg grating that responds to selected wavelengths of light. A particular angular sector of the optical system can selectively be made to project a radially directed light beam based upon the light used. The direction of the light projecting from a chosen angular sector can be altered by further tuning the light and can also be changed by expanding or contracting the length of the blazed fiber Bragg grating employed.